

ABSTRACT OF THE DISCLOSURE

It is an object of the invention to provide a channel adapter and a disk array device that can retransmit partial data via an IP network and which are configured to be able to conduct a data guarantee of the partial data. CHA transmit data to host computers. The CHA compute an input guarantee code when the CHA store the data from a cache memory to a local memory. The CHA generate an output guarantee code when the CHA read the data from the local memory and transmit the data to a port unit. In a case where retransmission of partial data is requested after the transmission of the data, the CHA transmit the partial data to the host computers. Thereafter, the CHA again compute the output guarantee code of the data and compare it with the previously computed input guarantee code. In a case where both codes match, it is guaranteed that data transmission has been conducted normally.